



IB - 255/63  
21 September 1963  
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MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

ATTENTION :

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Shen-yang to Tientsin Rail Study

REFERENCE : (1) ORR Requirement No. C-RR3-80,537, 5 September 1963  
(2) CIA/PID Project No. C 1245/63

1. This memorandum is in partial answer to referenced requirement concerning a comparative rail study from Shen-yang to Tientsin, China.

2. This segment of the basic requirement primarily concerns the traffic and rail activity along the rail line from Shen-yang to Tientsin. This study is based on photography from [redacted] which provides complete coverage of the rail line. Additional photographic coverage of this rail line for a comparative study has not been accomplished. The following paragraphs contain a description of the traffic and rail activity.

3. Traffic: A total of 60 trains and three locomotives were observed, enroute between Shen-yang and Tientsin a distance of approximately 450 nm of double track, standard guage railroad. The type, location and direction of movement of each train is indicated on the enclosed maps, (US Air Target Charts-Series 200). The composition and size of each train is also indicated on these maps. The rolling stock for these trains has been divided into five categories which are locomotives, (no diesel locomotives were observed), Tank cars, box cars (includes all closed cars), open cars (includes gondola cars, hopper cars and flatcars) and passenger cars. The average speed for freight trains on this rail line is approximately 27 miles per hour which is based on the speed of 10 freight trains on open track. The slowest train of the ten selected was 22 miles per hour and the fastest was 38 miles per hour. The average speed for passenger trains was not determined for this report.

Activity: The activity along this route consist of a count of the rolling stock by type, within six of the major rail centers served by this rail line. These rail centers and the rolling stock are indicated on the enclosed maps (US Air Target Charts - Series 200).

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4. The information contained in the above paragraphs and on the enclosed maps represents a partial answer to the basic requirement. Additional information will be made available at a later date to fulfill this requirement. The photo analyst on this project is [redacted] who may be contacted on extension [redacted] should you have further questions regarding this project.

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**ENCLOSURES:**

9 annotated maps (CIA/FID/IS-P-540/63 thru P-548/63)

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